

ADDENDUM  
TO THE  
REPORT OF FIELD ACTIVITIES  
FOR THE  
PAINT SLUDGE REMOVAL PROGRAM  
RINGWOOD MINES/LANDFILL SITE  
RINGWOOD, NEW JERSEY

Prepared for:

FORD INTERNATIONAL SERVICES, INC.  
DEARBORN, MICHIGAN

Prepared by:

WOODWARD-CLYDE CONSULTANTS  
201 WILLOWBROOK BOULEVARD  
WAYNE, NJ 07470

DATE OF ADDENDUM: FEBRUARY 1989

DATE OF REPORT: SEPTEMBER 1988

84C40844

327260



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ATTACHMENT I  
SCHEDULE

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- |                |   |
|----------------|---|
| October, 1988  | A. backfilling of former sludge location A; and<br>B. hydroseeding of former sludge locations A, B, C and D.  |
| November, 1988 | A. significant on-site activities did not occur.  |
| December, 1988 | A. post restoration topographic surveying of former sludge locations A, B, C and D; and<br>B. additional post-excavation sampling within location B at and near sample point B-1 (sampling required by the Record of Decision). |
| January, 1989  | A. significant on-site activities did not occur   |
| February, 1989 | A. completion of activities associated with the Paint Sludge Removal Program.   |

Note: The "Report of Field Activities for the Paint Sludge Removal Program", dated September 1988, indicated that hydroseeding and post restoration topographic surveying occurred during September 1988. Those activities actually occurred during October and December 1988, respectively, as indicated in this attachment.

**ATTACHMENT II**  
**POST-RESTORATION TOPOGRAPHIC SURVEYS**

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AM89-087A

### ATTACHMENT III QUANTITIES

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A total of 1170 tons or approximately 3067 cubic yards of backfill was imported to the site. However, the backfill total was distributed as follows:

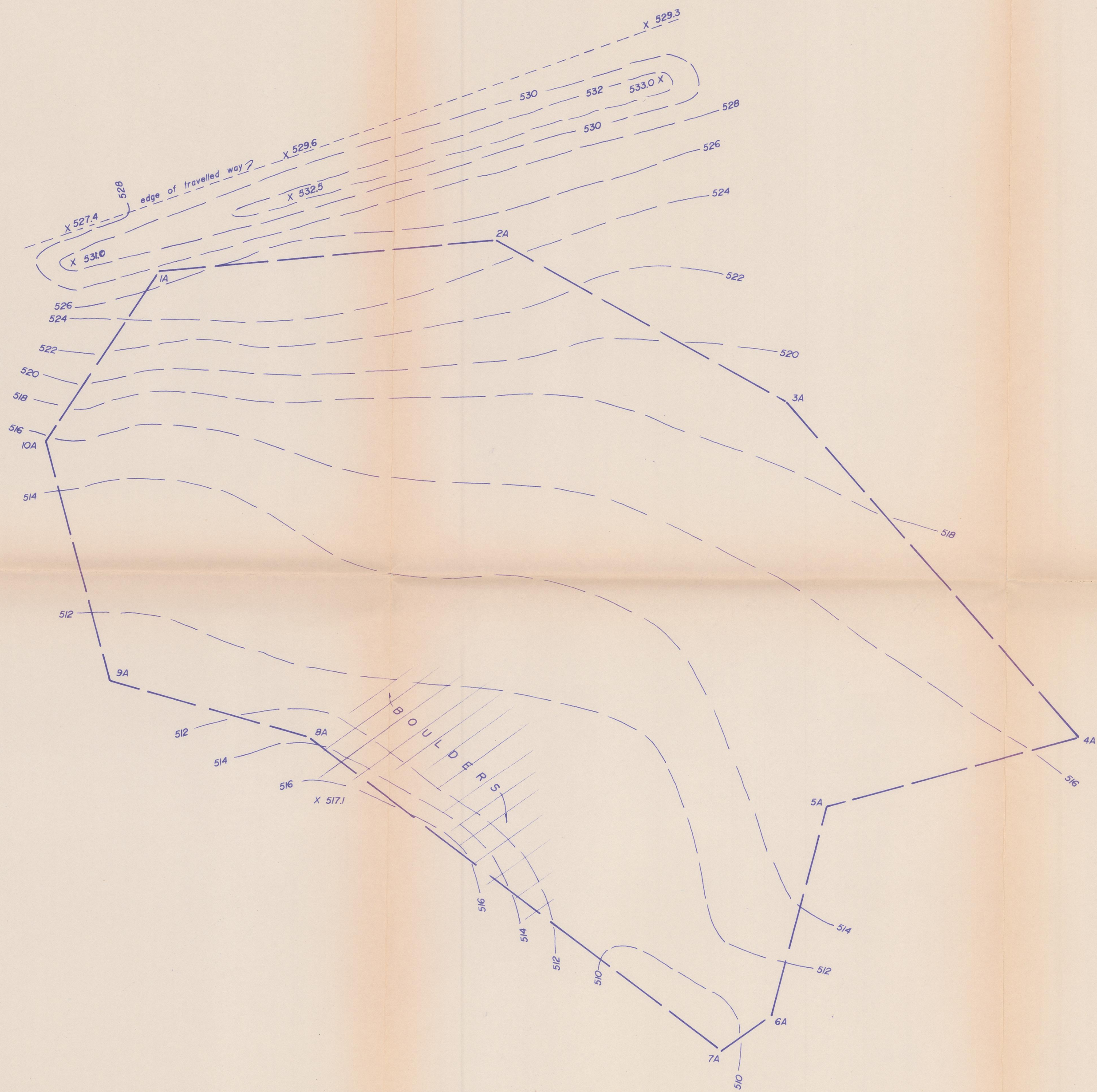
Location A: 1809 tons (approximately 1178 cubic yards)

Location B: 835 tons (approximately 515 cubic yards)

Location C: 1150 tons (approximately 710 cubic yards)

Location D: 1176 tons (approximately 664 cubic yards)

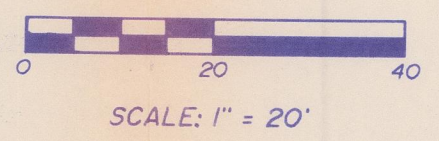




NOTES

1. NORTHING AND EASTING COORDINATE SYSTEM IS A SITE SPECIFIC GRID SYSTEM THAT WAS ESTABLISHED DURING THE REMEDIAL INVESTIGATION.
2. ELEVATIONS ARE REPORTED IN MEAN SEA LEVEL DATUM (N.G.V.D.).
3. CONTOUR INTERVAL: 2 FEET

RBA GROUP SURVEY  
APRIL, 1987



LEGEND

5A - CORNER DESIGNATION NUMBER

[ ] - AREAL EXTENT OF EXCAVATION

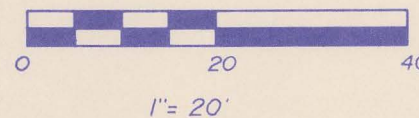
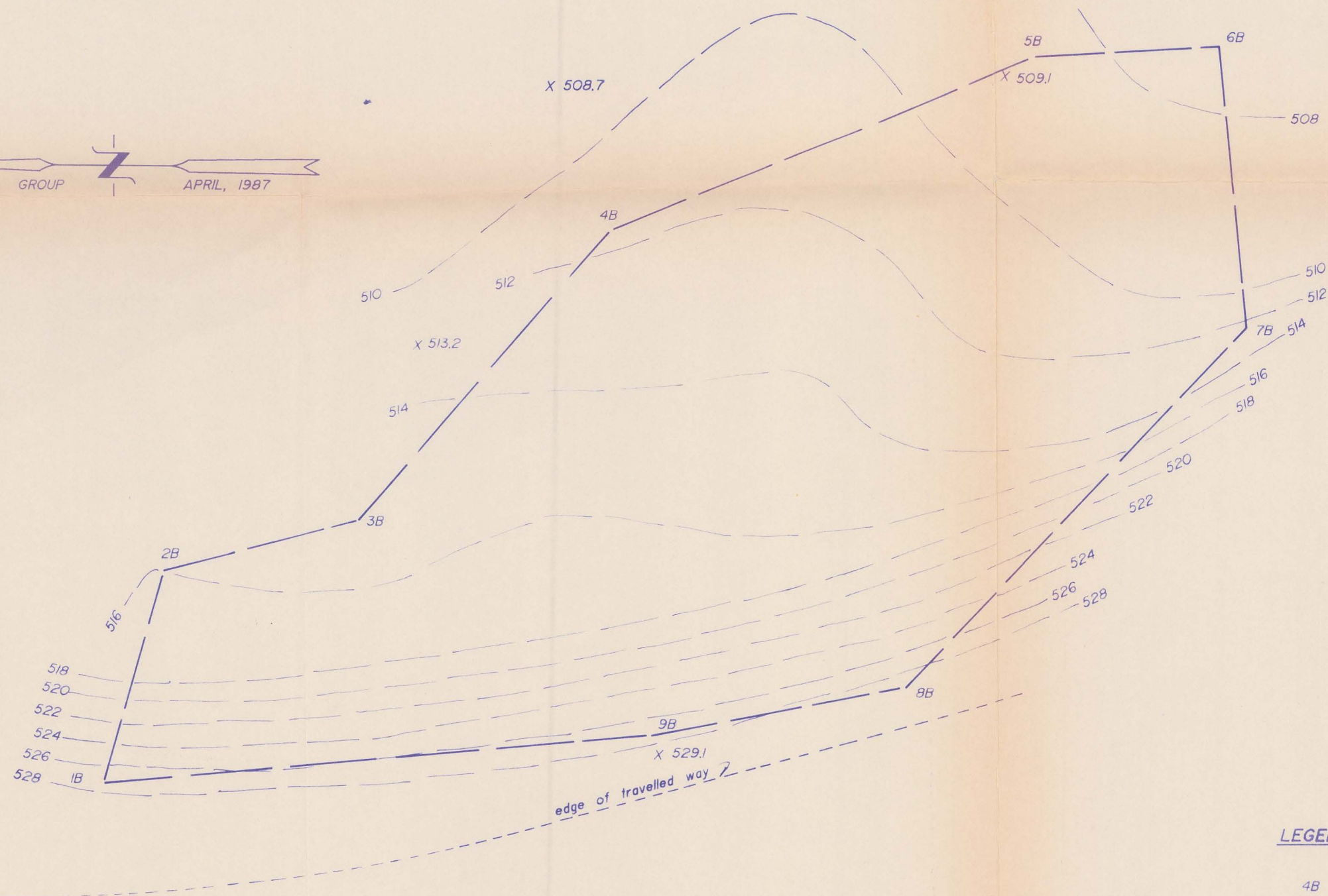
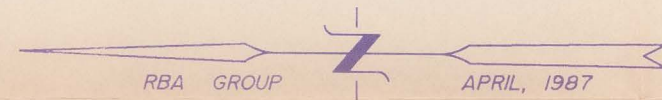
SOURCE:

PLAN ENTITLED "TOPOGRAPHIC SURVEY FOR KRAMER ENVIRONMENTAL, RINGWOOD MINES - LOCATION D" GENERATED BY WM. F. ZIMMERLY AND ASSOCIATES: 17 JANUARY 1989.

CORNER COORDINATES -- LOCATION A		
POINT No.	NORTHING (ft.)	EASTING (ft.)
1A	42655	9857
2A	42661	9936
3A	42623	10004
4A	42544	10072
5A	42529	10012
6A	42480	9999
7A	42472	9987
8A	42546	9891
9A	42560	9844
10A	42616	9830

POST RESTORATION TOPOGRAPHIC SURVEY PAINT SLUDGE LOCATION A RINGWOOD MINES/LANDFILL SITE			
WOODWARD-CLYDE CONSULTANTS			
CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS WAYNE, NEW JERSEY			
DR. BY:	KF	SCALE:	AS SHOWN
CK'D. BY:	CJM	DATE:	7 FEB 1989
		PROJ. NO.:	84C40844
		FIG. NO.:	7





# NOTES

1. NORTHING AND EASTING COORDINATE SYSTEM IS A SITE SPECIFIC GRID SYSTEM THAT WAS ESTABLISHED DURING THE REMEDIAL INVESTIGATION.
2. ELEVATIONS ARE REPORTED IN MEAN SEA LEVEL (N.G.V.D.)
3. CONTOUR INTERVALS: 2 feet

# LEGEND

4B - CORNER DESEGMENT NUMBER

[ ] - AREAL EXTENT OF EXCAVATION

CORNER COORDINATES -- LOCATION B		
POINT No.	NORTHING (ft.)	EASTING (ft.)
1B	42406	9576
2B	42397	9609
3B	42367	9617
4B	42327	9663
5B	42261	9691
6B	42232	9693
7B	42227	9649
8B	42281	9592
9B	42321	9584

# SOURCE:

PLAN ENTITLED "TOPOGRAPHIC SURVEY FOR KRAMER ENVIRONMENTAL, RINGWOOD MINES- LOCATION B" GENERATED BY WM. F. ZIMMERLY AND ASSOCIATES, 15 JANUARY 1989.

POST RESTORATION TOPOGRAPHIC SURVEY  
PAINT SLUDGE LOCATION B  
RINGWOOD MINES/LANDFILL SITE

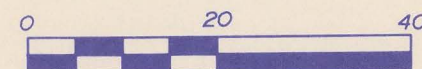
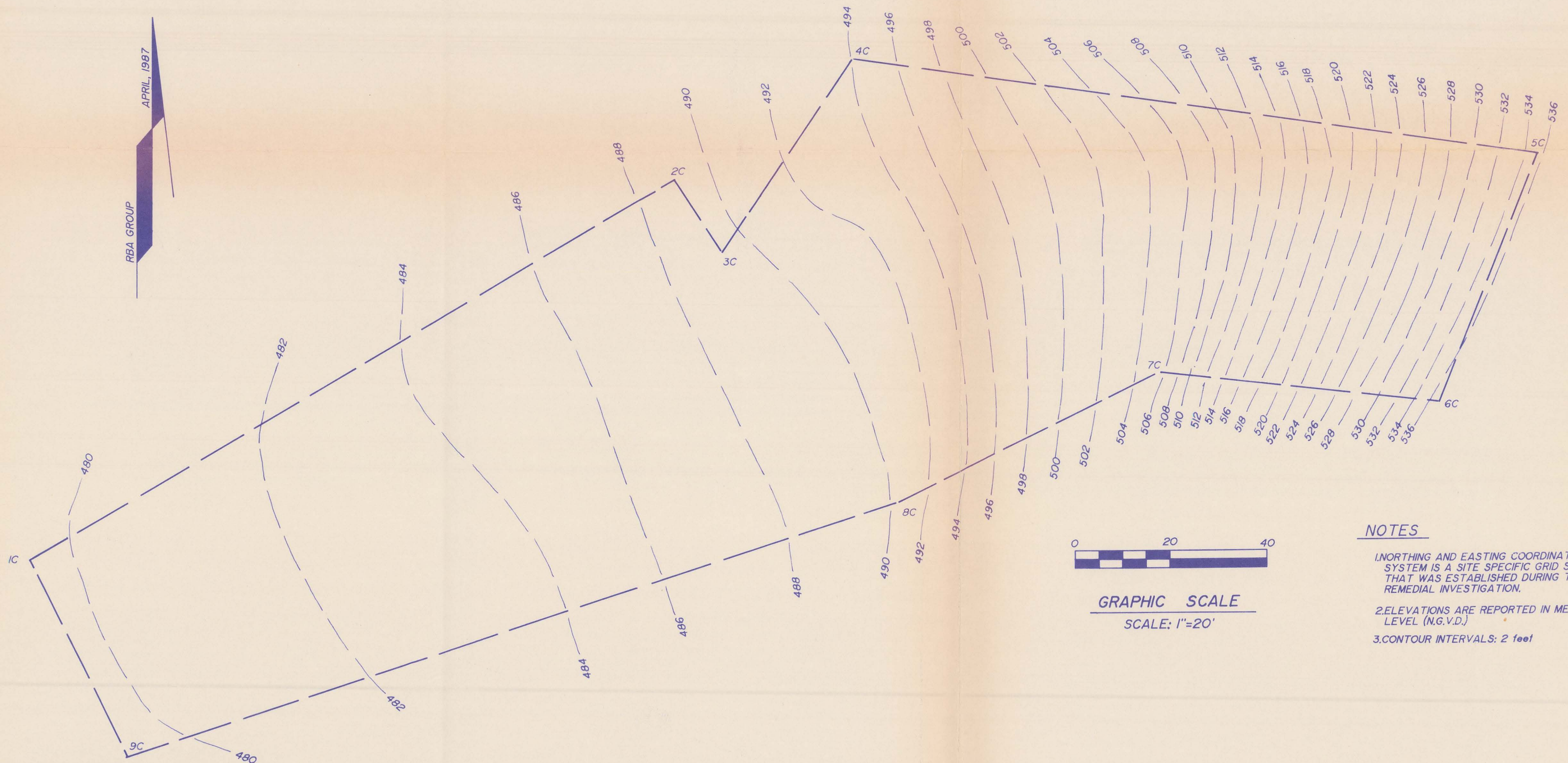
**WOODWARD - CLYDE CONSULTANTS**

CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS  
WAYNE, NEW JERSEY

DR. BY	KF	SCALE	AS SHOWN	PROJ. NO.	84C40844
CHK'D BY	CJM	DATE	7 FEB 1989	FIG. NO.	8



RBA GROUP  
APRIL, 1987



**GRAPHIC SCALE**  
SCALE: 1"=20'

**NOTES**

1. NORTHING AND EASTING COORDINATE SYSTEM IS A SITE SPECIFIC GRID SYSTEM THAT WAS ESTABLISHED DURING THE REMEDIAL INVESTIGATION.

2. ELEVATIONS ARE REPORTED IN MEAN SEA LEVEL (N.G.V.D.)

3. CONTOUR INTERVALS: 2 feet

**LEGEND**

4C - CORNER DESIGNATION

- AREAL EXTENT OF EXCAVATION

CORNER COORDINATES -- LOCATION C		
POINT No.	NORTHING (ft.)	EASTING (ft.)
1C	37798	7127
2C	37877	7260
3C	37862	7270
4C	37902	7297
5C	37883	7439
6C	37831	7419
7C	37837	7361
8C	37810	7307
9C	37757	7147

**SOURCE:**

PLAN ENTITLED "TOPOGRAPHIC SURVEY FOR KRAMER ENVIRONMENTAL, RINGWOOD MINES - LOCATION C" GENERATED BY WM. F. ZIMMERLY AND ASSOCIATES: 16 JANUARY 1989.

POST RESTORATION TOPOGRAPHIC SURVEY  
PAINT SLUDGE LOCATION C  
RINGWOOD MINES/LANDFILL SITE

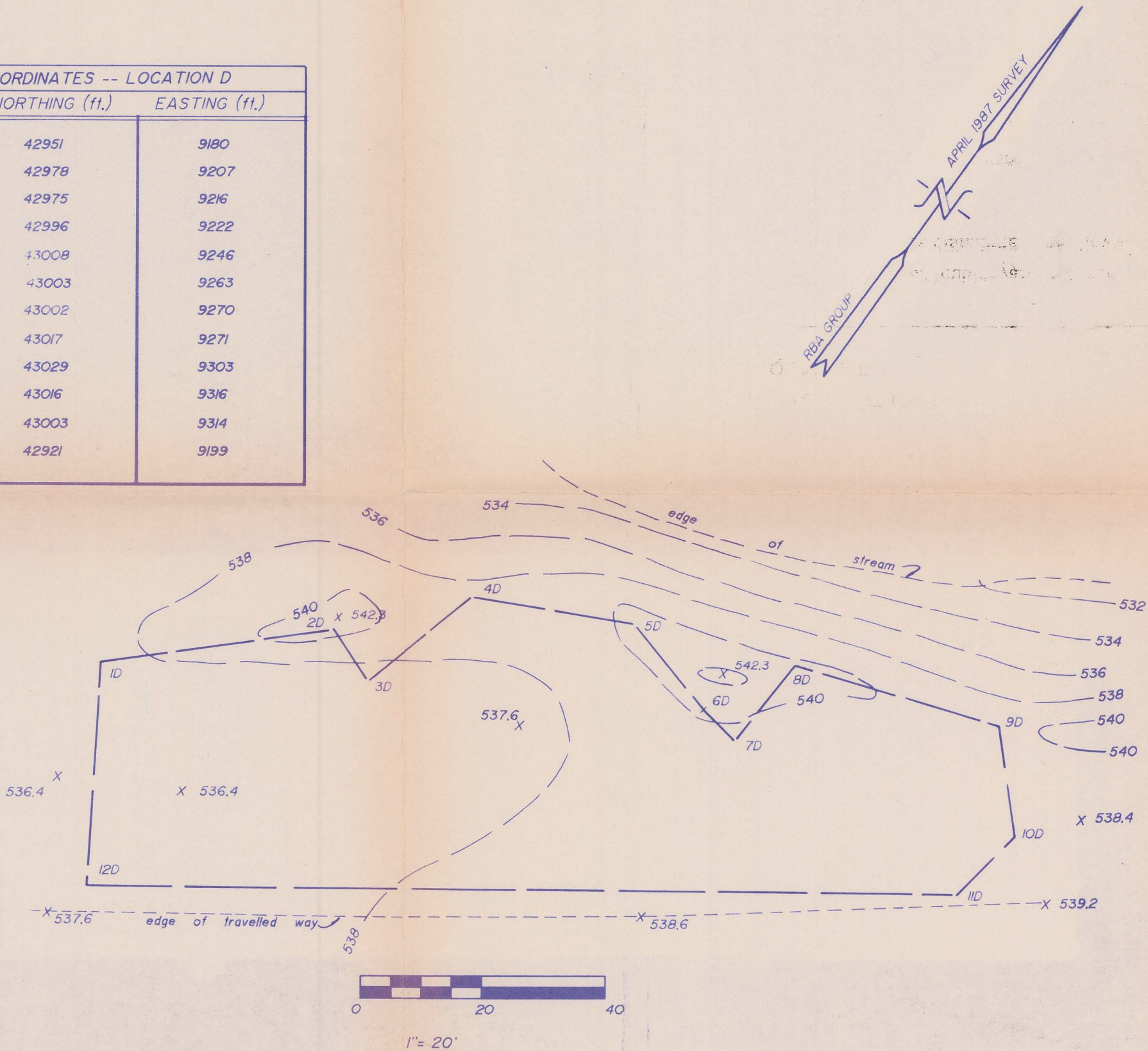
**WOODWARD - CLYDE CONSULTANTS**

CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS  
WAYNE, NEW JERSEY

DR BY	KF	SCALE	AS SHOWN	PROJ NO	84C40844
CK'D BY	CJM	DATE	7 FEB 1989	FIG NO	9



CORNER COORDINATES -- LOCATION D		
POINT No.	NORTHING (ft.)	EASTING (ft.)
1D	42951	9180
2D	42978	9207
3D	42975	9216
4D	42996	9222
5D	43008	9246
6D	43003	9263
7D	43002	9270
8D	43017	9271
9D	43029	9303
10D	43016	9316
11D	43003	9314
12D	42921	9199



#### NOTES

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2. ELEVATIONS ARE REPORTED IN MEAN SEA LEVEL (N.G.V.D.)
3. CONTOUR INTERVALS: 2 feet

#### LEGEND

- 4D - CORNER DESEGATION NUMBER
- AREAL EXTENT OF EXCAVATION

#### SOURCE:

PLAN ENTITLED "TOPOGRAPHIC SURVEY FOR KRAMER ENVIRONMENTAL, RINGWOOD MINES - LOCATION D" GENERATED BY WM. F. ZIMMERLY AND ASSOCIATES: 17 JANUARY 1989.

POST RESTORATION TOPOGRAPHIC SURVEY PAINT SLUDGE LOCATION D RINGWOOD MINES/LANDFILL SITE			
WOODWARD - CLYDE CONSULTANTS			
CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS WAYNE, NEW JERSEY			
DR BY	KF	SCALE	AS SHOWN
CK'D BY	CJM	DATE	7 FEB 1989
PROJ NO		84C40844	
FIG NO		10	